

## Abstract

CBP histone acetyltransferase acetylates Importin  $\alpha$ , affecting ability of Importin  $\alpha$  to translocate into the nucleus and import a cargo protein. Assays identify substances which modulate interaction between CBP and Importin  $\alpha$  and acetylation of Importin  $\alpha$  by CBP. Substances identified in the assays are useful for treatment of disorders in which Importin  $\alpha$  plays a role.